HYPOTHETICAL TESTING.

T-Test Of A Single Mean Using,
T-Distribution.

For a sample of 10 annex countries, it is suggested that mean temperature change in the 2019 is greater than 1.5°C.

1.
$$H_0: \mu = 1.5$$

2. $H_1: \mu > 1.5$ (right-tailed)
3. $\alpha = \frac{0.05}{0.01}$

Since,
$$n = 10$$
, $n < 30$
4. $t = \frac{10}{x} - k$

$$\frac{4. \quad t = x - k}{s/n}$$

Given,
$$\bar{X} = 2.119458$$
 $t = 3.60566$
 $s = 0.540288$

$$n = 10$$



